

環境チェックレポート

- ( 1 ) プロジェクト名  
MMA 及び PMMA の製造・販売事業
- ( 2 ) 実施場所  
サウジアラビア王国 / アル・ジュベイル
- ( 3 ) プロジェクト概要  
MMA 及び PMMA の製造・販売事業
- ( 4 ) カテゴリ分類  
カテゴリ「B」
- ( 5 ) カテゴリ分類の根拠  
本事業は、環境ガイドラインに掲げる石油・ガス・化学物質ターミナルセクターのうち大規模なものに該当せず、且つ影響を及ぼしやすい特性を持たず、影響を受けやすい地域またはその近傍に立地するものの、環境への望ましくない影響は重大でないと判断されるため。
- ( 6 ) 環境許認可  
本プロジェクトについては、当局より環境社会影響が重大ではないと判断されている。一部許認可については今後取得する計画。
- ( 7 ) 汚染対策  
大気質、水質、廃棄物、騒音・振動等については、現地基準に沿った適切な対策計画を策定・実施予定。
- ( 8 ) 自然環境面  
本プロジェクトサイトのサイト内及びその周辺に保護区及び保護対象の動植物は存在しない。
- ( 9 ) 社会配慮面  
本プロジェクト実施に必要な用地については、既にその使用权を確保済であり、非自発的住民移転は発生しない。

( 1 0 ) 適用国際基準

世界銀行・セーフガードポリシー

( 1 1 ) その他・モニタリング

上述の環境レビューを踏まえ、大気質についてモニタリングを行う予定。

以 上



**Q8.** Are there any environmentally sensitive area shown below in and around project site?

(Yes) No

If you answered "Yes", please select applicable items by marking, and reply to following questions.  
If you answered "No", please reply to questions 9 and after.

- (1) National parks, protected areas designated by government (coastal areas, wetlands, habitats of minorities or indigenous populations, heritage sites, etc.)
- (2) Primeval forests, tropical natural forests
- (3) Ecologically important habitats (coral reefs, mangrove, tidal flats, etc.)
- (4) Habitats of endangered species of which protection is required under local laws and international agreements.
- (5) Areas that have risks of large scale increase in soil salinity or soil erosion
- (6) Desertification areas
- (7) Areas with special values from archaeological, historical and/or cultural viewpoints
- (8) Habitats of minorities, indigenous populations, nomadic people with traditional life style, or areas with special social value

**Q9.** Does the project involve following characteristics?

(Yes) No

If you answered "Yes", please describe the scale of applicable characteristics, and reply to the questions 10 and after.

If you answered "No", please reply to questions 11 and after.

- (1) Involuntary resettlement (Number of resettlers: )
- (2) Pumping of groundwater (Scale: m<sup>3</sup>/year)
- (3) Land reclamation, development and/or clearing (Scale: ha)
- (4) Deforestation (Scale: ha)

**Q10.** Under the environmental impact assessment system of the country where the project is to be implemented, do the applicable characteristics from (1) – (4) above and their scale serve as basis for executing an EIA for the project?

- They do  They do not
- Others (Please specify )

**Q11.** Will JBIC share in the project be equal or less than 5% of the total project cost, or the total amount of JBIC loan equal or less than SDR 10 million? (In the case of additional support for a past project, this shall be the accumulated total amount)

(Yes) No

If you answered "Yes", it is not necessary to reply to the following questions.  
If you answered "No", please reply to questions 12 and after.

**Q12.** Does the project belong to either of the sectors that impact on the environment is deemed immaterial or is not anticipated under normal conditions (e.g. maintenance of the existing facilities, non-expansionary renovation project, acquisition of rights and interests without additional capital investment)?

(Yes) No

If you answered "Yes", it is not necessary to reply to following questions.  
If you answered "No", please reply to the questions 13 and after.

**Q13.** Does the project belong to the following sectors?

(Yes) / No

If you answered "Yes", please specify the sector by marking, and reply to questions 14 and after.  
If you answered "No", it is not necessary to reply to the following questions.

- (1) Mining
- (2) Oil and natural gas development
- (3) Pipelines
- (4) Iron and steel (projects that include large furnaces)
- (5) Non-ferrous metals smelting and refining
- (6) Petrochemicals (manufacture of raw materials; including complexes)
- (7) Petroleum refining
- (8) Oil, gas and chemical terminals
- (9) Paper and pulp
- (10) Manufacture and transport of toxic or poisonous substances regulated by international treaties, etc.
- (11) Thermal power
- (12) Nuclear power
- (13) Hydropower, dams and reservoirs
- (14) Power transmission and distribution lines involving large-scale involuntary resettlement, large-scale logging or submarine electrical cables
- (15) Roads, railways and bridges
- (16) Airports
- (17) Ports and harbors
- (18) Sewage and wastewater treatment having sensitive characteristics or located in sensitive areas or their vicinity
- (19) Waste management and disposal
- (20) Agriculture involving large-scale land-clearing or irrigation
- (21) Forestry
- (22) Tourism (construction of hotels, etc.)

**Q14.** Please provide information on the scale of the project (project area, area of plants and buildings, production capacity, amounts of power generation, etc.) Further, please explain whether an execution of EIA is required on account of the large scale of the project in the country where the project is implemented.

Area of plants

MMA/PMMA plants: Approximately 130,000 m<sup>2</sup>

Annual production capacity

MMA 250,000 metric tons

PMMA 40,000 metric tons

EIA report to be prepared by RC approved Third Party and report to be submitted for the approval of Royal Commission for such scale of project.